Group Art Unit: 1644

In the Specification:

Please replace pages 47 through 74 of the Sequence Listing submitted on January 6, 1998 with newly submitted pages 47 through 66.

Please renumber pages 75-88, containing the claims and abstract, as pages 67-80.

REMARKS

Responsive to the Examiner's Communication and the "Notice to Comply with Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures" dated April 9, 1999, Applicants have amended the Sequence Listing submitted on January 6, 1998 to contain the amino acid sequence shown in Figure 16, comply with the new sequence rules, and to provide a copy of the sequence listing in computer readable form.

Further in accordance with 37 C.F.R. §1.821(c) and (e), Applicants have submitted on even date herewith a computer readable form of the corrected sequence listing (diskette) which is identical in substance to the substitute pages 47-66 containing the corrected sequence listing submitted herewith.

No new matter has been added to the application. Accordingly, it is respectfully requested that the above amendments be entered.

Respectfully submitted

Amy E Mandragouras, Esq. Registration No. 36,207

Attorney for Applicants

LAHIVE & COCKFIELD, LLP 28 State Street Boston, MA 02109

Dated: July 16, 1999